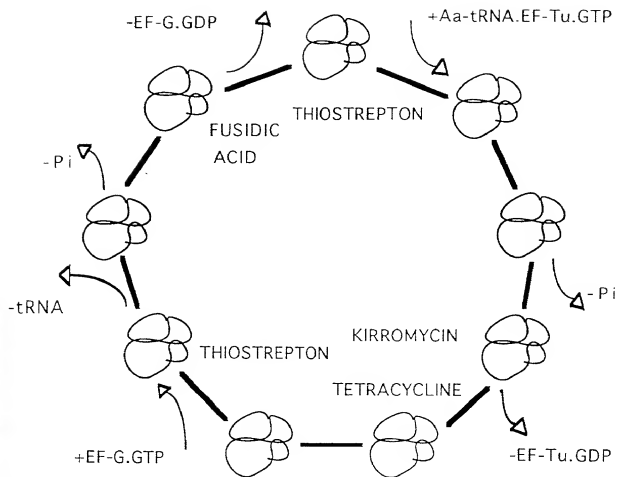


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Fig. 1



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Figure 2A

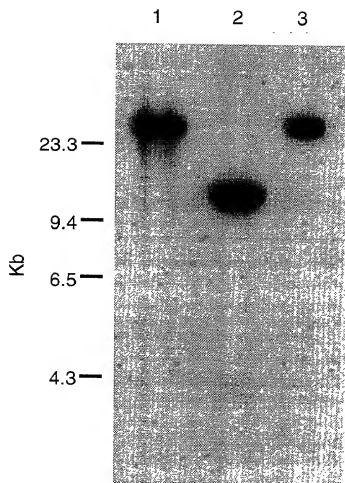
	10	20	30	40	50	
eftu_anani	1	MAFAPEER	PHVNIQTIGH	DHGKNTLTLE	ATTTLAFA	MAKARN--A 50
eftu_cryph	1	MAFAPEER	PHVNIQTIGH	DHGKNTLTLE	ASAT--SST	TESKES-- 50
eftu_cyapa	1	MAFAPEER	PHVNIQTIGH	DHGKNTLTLE	ATTTLAFA	MAKARN-- 50
eftu_pf	1	MAFAPEER	PHVNIQTIGH	DHGKNTLTLE	ATTTLAFA	MAKARN-- 50
eftu_ecoli	1	MAFAPEER	PHVNIQTIGH	DHGKNTLTLE	ATTTLAFA	MAKARN-- 50
		60	70	80	90	100
eftu_anani	51	DIAFAPEER	RGITINTAHV	EYETGHRHYA	HVDCPGHADY	VNMITGAAC 100
eftu_cryph	51	DIAFAPEER	RGITINTAHV	EYETGHRHYA	HVDCPGHADY	VNMITGAAC 100
eftu_cyapa	51	DIAFAPEER	RGITINTAHV	EYETGHRHYA	HVDCPGHADY	VNMITGAAC 100
eftu_pf	51	DIAFAPEER	RGITINTAHV	EYETGHRHYA	HVDCPGHADY	VNMITGAAC 100
eftu_ecoli	51	DIAFAPEER	RGITINTAHV	EYETGHRHYA	HVDCPGHADY	VNMITGAAC 100
		110	120	130	140	150
eftu_anani	101	MDGAILVSA	ADGMPQOTRE	HILLARQGVV	PNIVVFLNKE	MDVDAELLE 150
eftu_cryph	101	MDGAILVSA	ADGMPQOTRE	HILLARQGVV	PNIVVFLNKE	MDVDAELLE 150
eftu_cyapa	101	MDGAILVSA	ADGMPQOTRE	HILLARQGVV	PNIVVFLNKE	MDVDAELLE 150
eftu_pf	101	MDGAILVSA	ADGMPQOTRE	HILLARQGVV	PNIVVFLNKE	MDVDAELLE 150
eftu_ecoli	101	MDGAILVSA	ADGMPQOTRE	HILLARQGVV	PNIVVFLNKE	MDVDAELLE 150
		160	170	180	190	200
eftu_anani	151	LVELEVRLL	SKYDFPGDDI	PVAGSALLA	LEAMNPNPI	MRG--EDKAVD 200
eftu_cryph	151	LVELEVRLL	SKYDFPGDDI	PVAGSALLA	LEAMNPNPI	MRG--EDKAVD 200
eftu_cyapa	151	LVELEVRLL	SKYDFPGDDI	PVAGSALLA	LEAMNPNPI	MRG--EDKAVD 200
eftu_pf	151	LVELEVRLL	SKYDFPGDDI	PVAGSALLA	LEAMNPNPI	MRG--EDKAVD 200
eftu_ecoli	151	LVELEVRLL	SKYDFPGDDI	PVAGSALLA	LEAMNPNPI	MRG--EDKAVD 200
		210	220	230	240	250
eftu_anani	201	ATLTPPERV	DNFLMAYED	VFSITGRGT	ATGRIERG	ATGRIERG 250
eftu_cryph	201	ATLTPPERV	DNFLMAYED	VFSITGRGT	ATGRIERG	ATGRIERG 250
eftu_cyapa	201	ATLTPPERV	DNFLMAYED	VFSITGRGT	ATGRIERG	ATGRIERG 250
eftu_pf	201	ATLTPPERV	DNFLMAYED	VFSITGRGT	ATGRIERG	ATGRIERG 250
eftu_ecoli	201	ATLTPPERV	DNFLMAYED	VFSITGRGT	ATGRIERG	ATGRIERG 250
		260	270	280	290	300
eftu_anani	251	AVGEPITING	LE--PRVPT	TCVEMPQV	DEGLAGDN	ELLRGIGKT 300
eftu_cryph	251	AVGEPITING	LE--PRVPT	TCVEMPQV	DEGLAGDN	ELLRGIGKT 300
eftu_cyapa	251	AVGEPITING	LE--PRVPT	TCVEMPQV	DEGLAGDN	ELLRGIGKT 300
eftu_pf	251	AVGEPITING	LE--PRVPT	TCVEMPQV	DEGLAGDN	ELLRGIGKT 300
eftu_ecoli	251	AVGEPITING	LE--PRVPT	TCVEMPQV	DEGLAGDN	ELLRGIGKT 300
		310	320	330	340	350
eftu_anani	301	DIERGMVLAK	PGSITPHTFE	ESEVVLTKK	BGRHTPFPE	GYRPOFYVRT 350
eftu_cryph	301	DIERGMVLAK	PGSITPHTFE	ESEVVLTKK	BGRHTPFPE	GYRPOFYVRT 350
eftu_cyapa	301	DIERGMVLAK	PGSITPHTFE	ESEVVLTKK	BGRHTPFPE	GYRPOFYVRT 350
eftu_pf	301	DIERGMVLAK	PGSITPHTFE	ESEVVLTKK	BGRHTPFPE	GYRPOFYVRT 350
eftu_ecoli	301	DIERGMVLAK	PGSITPHTFE	ESEVVLTKK	BGRHTPFPE	GYRPOFYVRT 350
		360	370	380	390	400
eftu_anani	351	TDVGTATSD	TDGGSNAEM	MPGDRIRMT	ACLIHPATIE	CGMRFAIREG 400
eftu_cryph	351	TDVGTATSD	TDGGSNAEM	MPGDRIRMT	ACLIHPATIE	CGMRFAIREG 400
eftu_cyapa	351	TDVGTATSD	TDGGSNAEM	MPGDRIRMT	ACLIHPATIE	CGMRFAIREG 400
eftu_pf	351	TDVGTATSD	TDGGSNAEM	MPGDRIRMT	ACLIHPATIE	CGMRFAIREG 400
eftu_ecoli	351	TDVGTATSD	TDGGSNAEM	MPGDRIRMT	ACLIHPATIE	CGMRFAIREG 400
		410	420	430	440	450
eftu_anani	401	GRVIGAGVVS	RIIE	.....	.....	..... 450
eftu_cryph	401	GRVIGAGVVS	RIIE	.....	.....	..... 450
eftu_cyapa	401	GRVIGAGVVS	RIIE	.....	.....	..... 450
eftu_pf	401	GRVIGAGVVS	RIIE	.....	.....	..... 450
eftu_ecoli	401	GRVIGAGVVS	RIIE	.....	.....	..... 450

Fig. 2B

ATGAATAATAAATTATTTTTTAAGAAATAAACACATATAAA  
TTTAGGTACTATAGGGCATGTAGATCATGGAAAACTACAT  
TAACAACAGCTATATCTTATTTATTAAATTTACAAGGATTA  
TCAAAAAAATATAATTATTCAGATATTGATTCAGCTCCAGA  
AGAAAAAATAAGAGGTATTACAATAAATACAACACATATTG  
AATATGAAACTTTTAACAAAACATTGTGCTCATATAGATTGT  
CCAGGACATTCCGATTATATTAAAAATATGATTATAGGAGC  
CACACAAATGGATATAGCAATTTTAGTAATATCTATAATAG  
ATGGTATAATGCCTCAAACCTATGAACATTTATTATTAATA  
AAACAAATAGGTATAAAAAATATAATTATTTTTTTTAAATAA  
AGAAGATTTATGTGATGATGTTGAATTAATAGATTTTATAA  
AATTAGAAGTAAATGAATTATTAATTAATATAATTTTGAT  
TTAAATTATATACATATATTAAC TGGTTCAGCATTAATGT  
AATAAATATAATTCAAAAAATAAGGATTATGAATTAATAA  
AATCTAATATTTGGATACAAAAATTAAATAATTTAATTCAA  
ATAATTGATAATATTATAATACCTACTAGAAAAATTAATGA  
TTACTTTTTTAATGTCAATAGAAGATGTATTTTCTATAACAG  
GTAGAGGTACAGTAGTAACAGGTAAGATTGAACAAGGATGT  
ATAAATTTAAATGATGAAATTGAAATTTTAAATTTGAAAA  
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TTAAAAACAATTAACACAAGCACAAATCCGGAGATAATGTA  
GGTATTTTTATTAAGAAATATTCAAAAAAAGATATAAAAAAG  
AGGTATGATTTTAGCAACACCTAATAAATTAAGTATATA  
AGTCTTTTATAGCTGAAACATATATTTTAACTAAAGAAGAA  
GGTGGTCGTCATAAACCTTTTAATATTGGATATAAACCTCA  
ATTTTTTATTCGTACAGTAGATGTTACTGGAGAAATTA AAA  
ATATATATTTAAATGAAATGTACAAAAGTAGCTATACCT  
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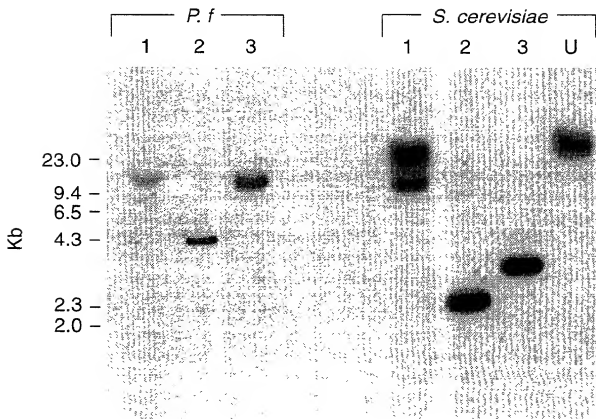
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Figure 3A



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Figure 3B



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Figure 4

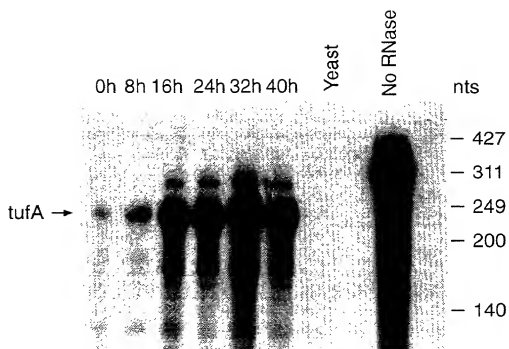


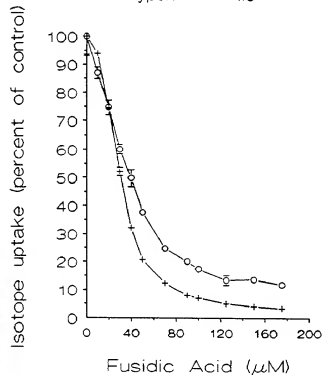
Figure 5

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(A)

Fusidic Acid  
(36hr incubation)

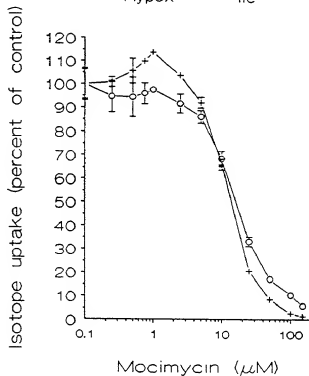
-- Hypox --o-- Ile



(B)

Mocimycin  
(36hr incubation)

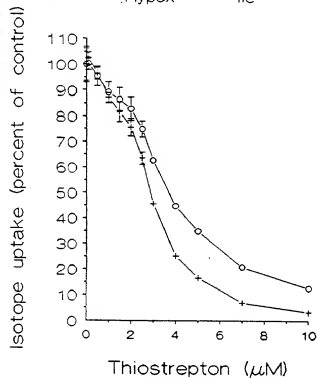
-- Hypox --o-- Ile



(C)

Thiostrepton  
(36hr incubation)

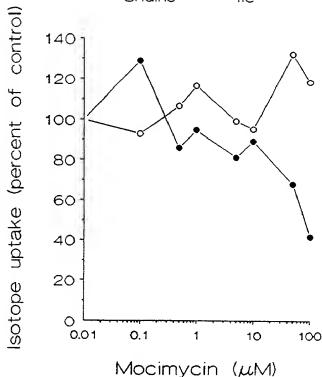
-- Hypox --o-- Ile



(D)

Mocimycin vs Myeloma  
(24hr incubation)

● Uridine ○ Ile



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Figure 5 (cont)

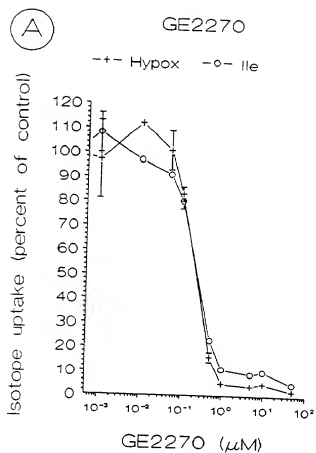
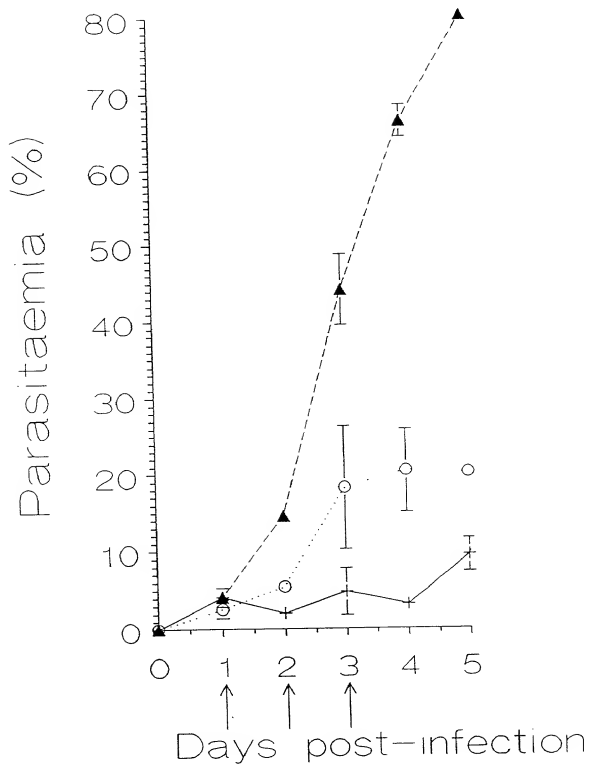




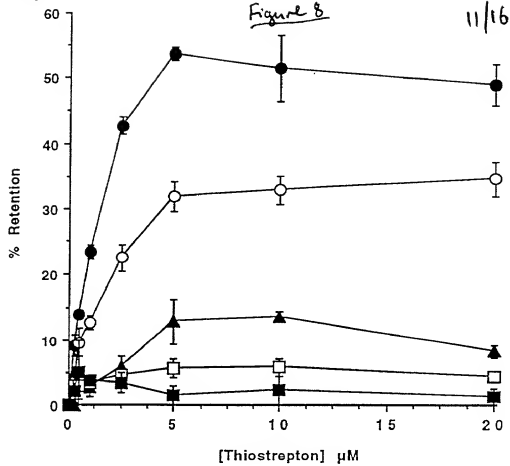
Figure 6

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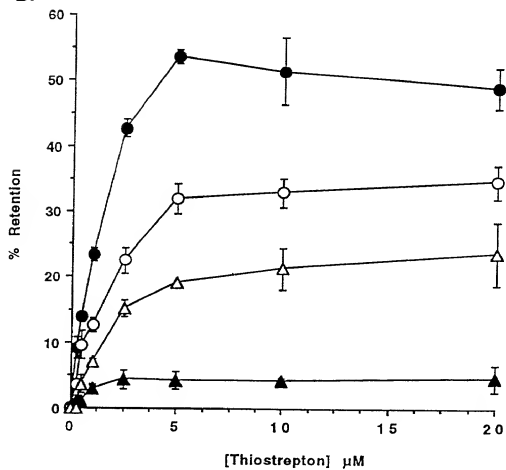




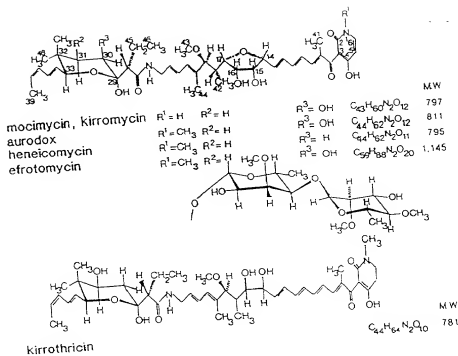
A.



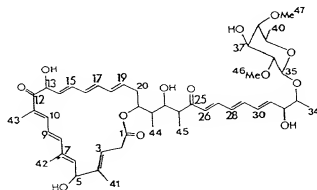
B.



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Figure 9

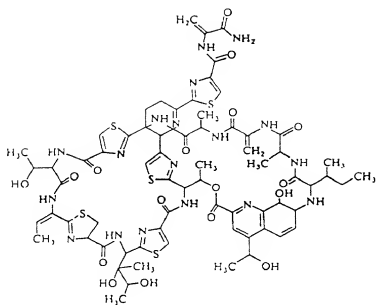
pulfomycin



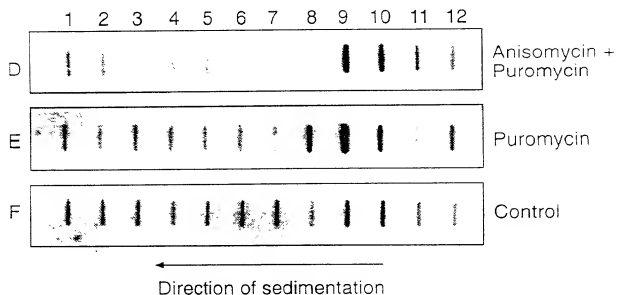
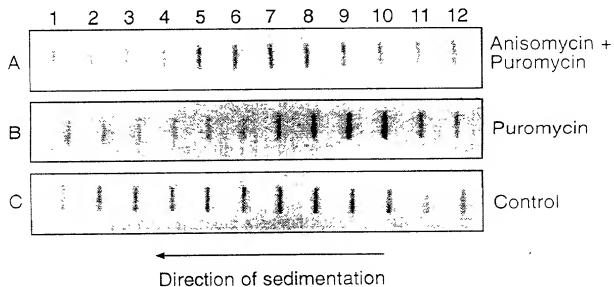
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Figure 10

Thiostrepton

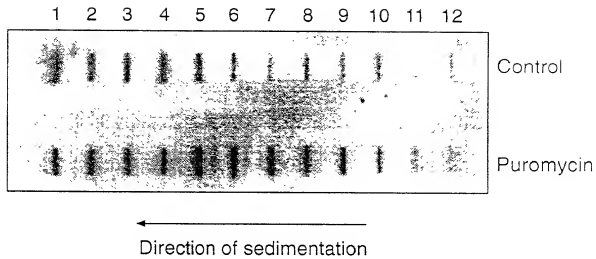


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Figure 11



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Figure 12



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Figure 13

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